

# Notice of Allowability

Application No.

09/980,098

Examiner

Christopher E. Lee

Applicant(s)

ITAMI, SHINJI

Art Unit

2112

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment under 37 CFR 1.111 filed on 10<sup>th</sup> of August 2006.
2. ☒ The allowed claim(s) is/are 1,3,5,6,8 and 10-15.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Christopher E. Lee  
Primary Patent Examiner  
Art Unit 2112

## **DETAILED ACTION**

### ***Receipt Acknowledgement***

1. Receipt is acknowledged of the Amendment filed on 10<sup>th</sup> of August 2006. Claims 6, 8, and 14 have been amended; no claim has been canceled; and claim 15 has been newly added since the RCE[2] Non-Final Office Action was mailed on 10<sup>th</sup> of May 2006. Currently, claims 1, 3, 5, 6, 8, and 10-15 are pending in this Application.

### ***Allowable Subject Matter***

2. Claims 1, 3, 5, 6, 8, and 10-15 are allowed.
3. The following is an Examiner's statement of reasons for allowance:

The Applicants' argument in the Response to RCE[2] Non-Final Office Action filed on 10<sup>th</sup> of August 2006, page 11, line 10 through page 12, line 5, is considered persuasive regard patentability of the invention as disclosed in the claims.

In particular, the feature of the invention for "the cycle signal counts plural times of the leading edge of the clock signal of the primary board prior to toggle of the cycle signal" is not seen to be taught or suggested in the prior art applied in the claims rejection. In updating a search of the prior art, it is noted that the claim limitations are deemed allowable over the prior art of record as the prior art fails to teach or suggest that the cycle signal counts plural times of the leading edge of the clock signal of the primary board prior to toggle of the cycle signal. Therefore, the claims 1, 5, 6, 8, and 10 are forward to distinguish over the prior art of the record, respectively.

The claims 3 and 11-15 are dependent claims of the claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the

issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Tomishima et al. [US 6,480,946 B1] disclose memory system for synchronized and high speed data transfer.

Morriss et al. [US 6,463,494 B1] disclose method and system for implementing control signals on a low pin count bus.

Nakano et al. [US 6,397,312 B1] disclose memory subsystem operated in synchronism with a clock.

MacWilliams et al. [US 6,336,159 B1] disclose method and apparatus for transferring data in source-synchronous protocol and transferring signals in common clock protocol in multiple agent processing system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher E. Lee whose telephone number is 571-272-3637. The examiner can normally be reached on 9:30am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Perveen can be reached on 571-272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher E. Lee  
Primary Patent Examiner  
Art Unit 2112

CEL/

A handwritten signature in black ink, reading "Christopher E. Lee". The signature is written in a cursive, flowing style with a large initial 'C'.